

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
7 October 2004 (07.10.2004)

PCT

(10) International Publication Number
WO 2004/086541 A3

(51) International Patent Classification⁷: H01M 8/02, 8/04

(21) International Application Number:
PCT/CA2004/000436

(22) International Filing Date: 24 March 2004 (24.03.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/457,459 25 March 2003 (25.03.2003) US

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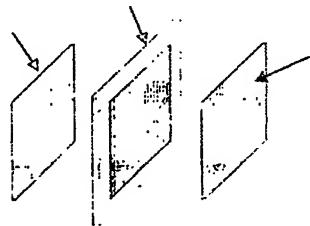
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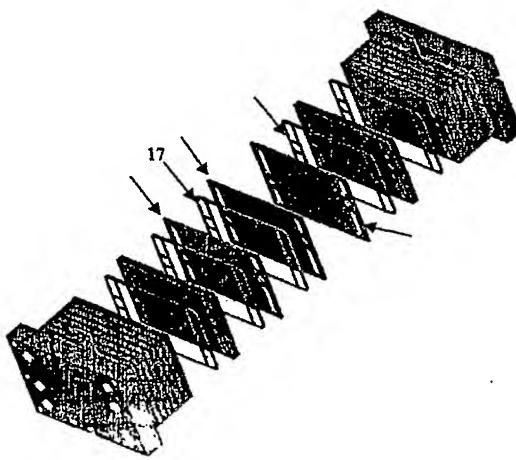
(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,

[Continued on next page]

(54) Title: INTEGRATED ELECTRICALLY CONDUCTIVE ELECTROCHEMICAL CELL COMPONENT



(57) Abstract: An electrically conductive electrochemical cell component is disclosed. The cell component includes a first coolant plate (21) and an adjacent plate, wherein the adjacent plate is a second coolant plate or a bipolar plate (5). The first coolant plate has at least one mating region, preferably a rib (25), for mating with a complementary region, preferably a groove (30), on the adjacent plate. The first coolant plate and the adjacent plate are each made of a polymer and conductive filler blend. The first coolant plate is joined to the adjacent plate by a seal (40) formed by the polymer at the mating region and the complementary region. The seal is created using vibrational or resistive welding processes.



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TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

- (84) **Designated States (unless otherwise indicated, for every kind of regional protection available):** ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

- (88) **Date of publication of the international search report:**
28 July 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/CA2004/000436

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01M8/02 H01M8/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H01M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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A	-----	1,13

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Patent family members are listed in annex.

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Date of the actual completion of the international search

26 May 2005

Date of mailing of the international search report

01/06/2005

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

International Application No PCT/CA2004/000436

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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